

Fig. 1

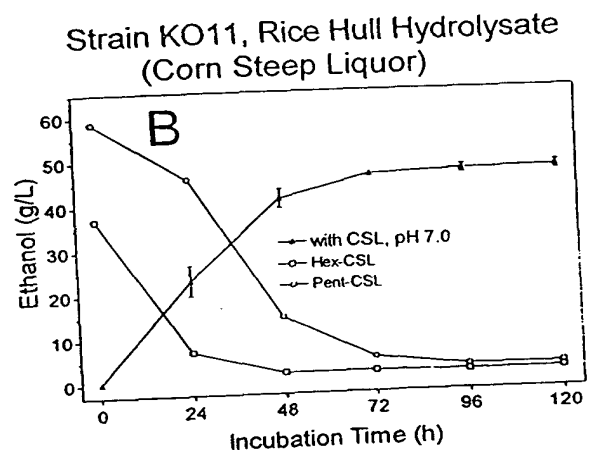
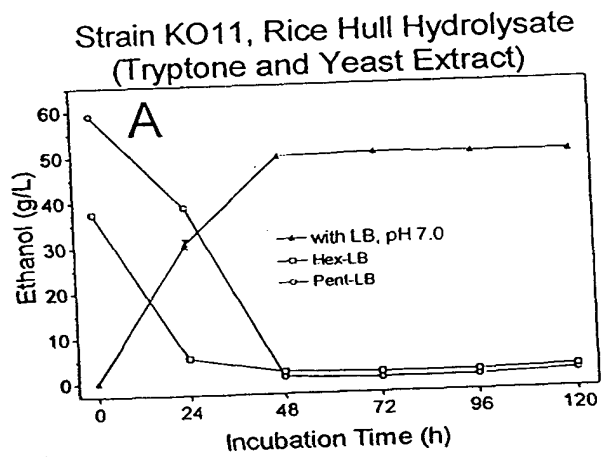


Fig. 2

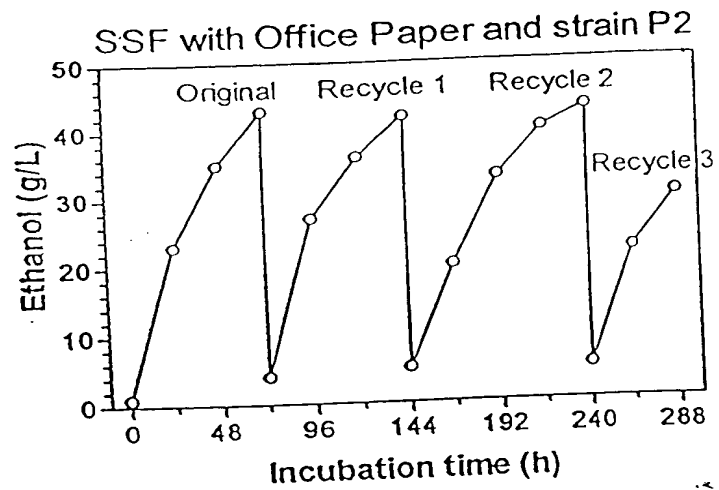


Fig. 3

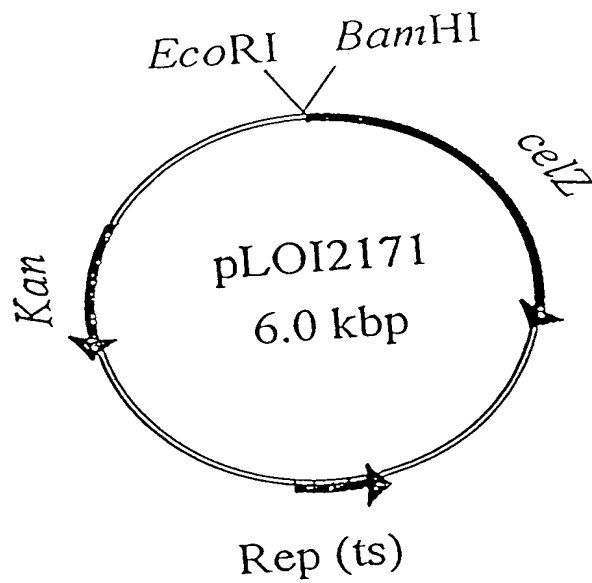


Fig. 4

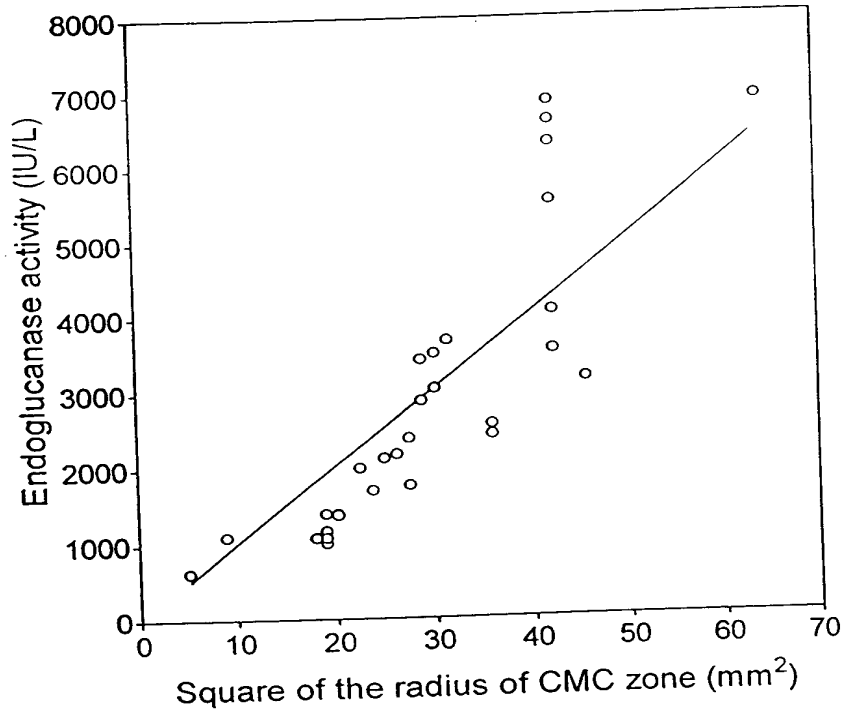


Fig. 5

1051 CTTTTTCGGC ATGAGCAACC AACATTTTCA AGGTATCATC CTGATGCGCA
-35 region -10 region #
1101 ATATCGGCAT CGGTTAGCCA TAACCATTIT ACCTGTCCGG CGGCCTTAAT
1151 ACCTTGATCA GATGGTTCGT GGTGTTGTTA CCTTGCCGAA GGGCACC GGT
1201 AAAAATGTTT GCGTCGGTGT TTTGCCCCGT GGCCCGAAAG CTGAAGAAGC
1251 TAAAGCTGCT GGTGCAGAAG TTGTCGGCGC AGAAGACCTG ATGGAAGCCA

1301 TTCAGGGCGG CAGCATTGAT TTGATCGTG ATGCCCTTTA TACTGAAATT
-35 region -10 region

1351 GCCTTGCGCT GCCATAATGA AGCAGCCTCC GGTGTTTTGG CAGATTTAAG

1401 CGCTGCCTGA TTTTCGTgat cctctagagt ctatgaaatg gagattcatt
Shine-Dalgarno

celZ coding region→
1451 tatgcctctc tcttattcgg ataaccatcc agtcatccgc aagcttggcc

0935547 061901
T05199 76259360

Fig. 6

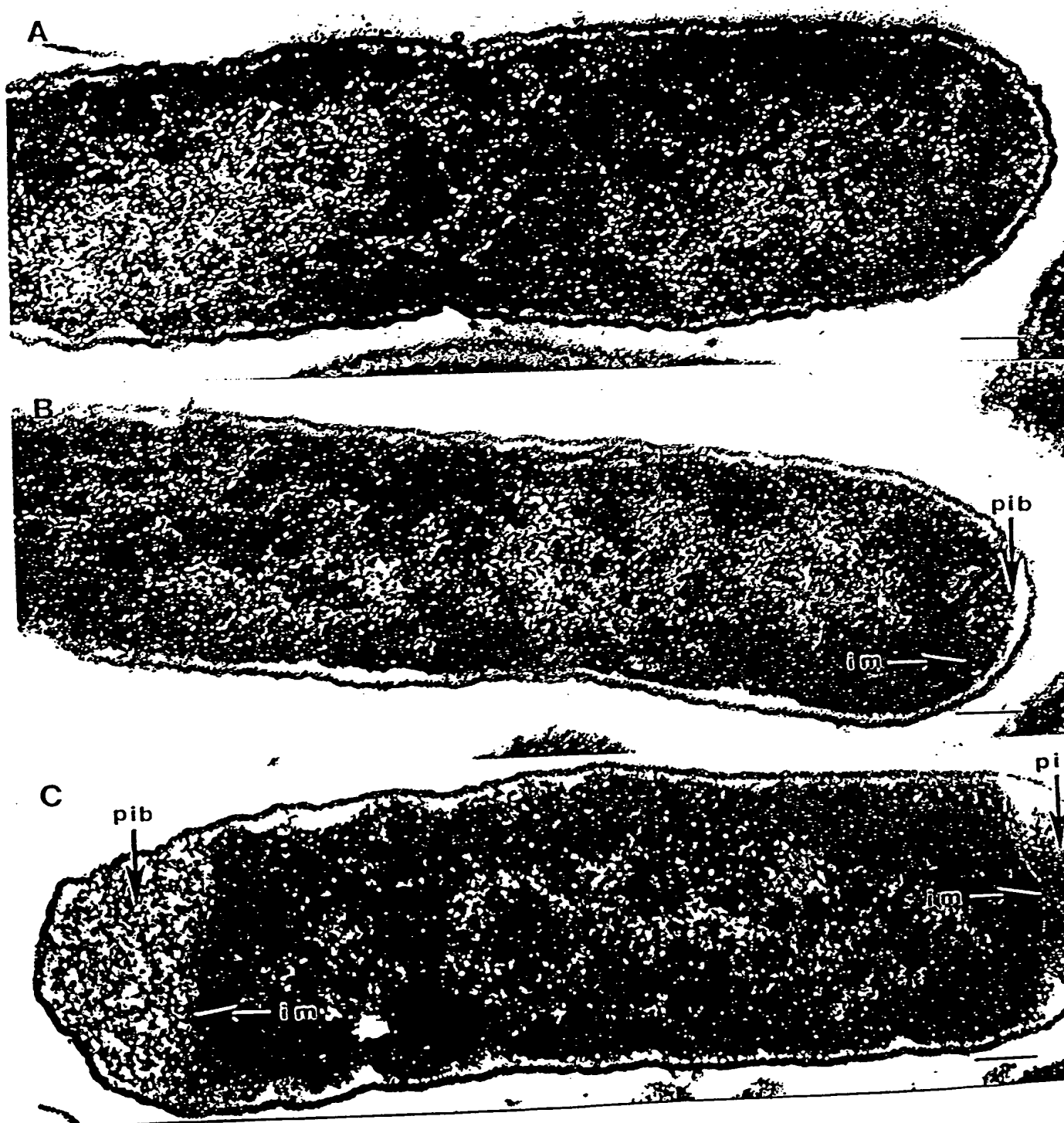


Fig. 7

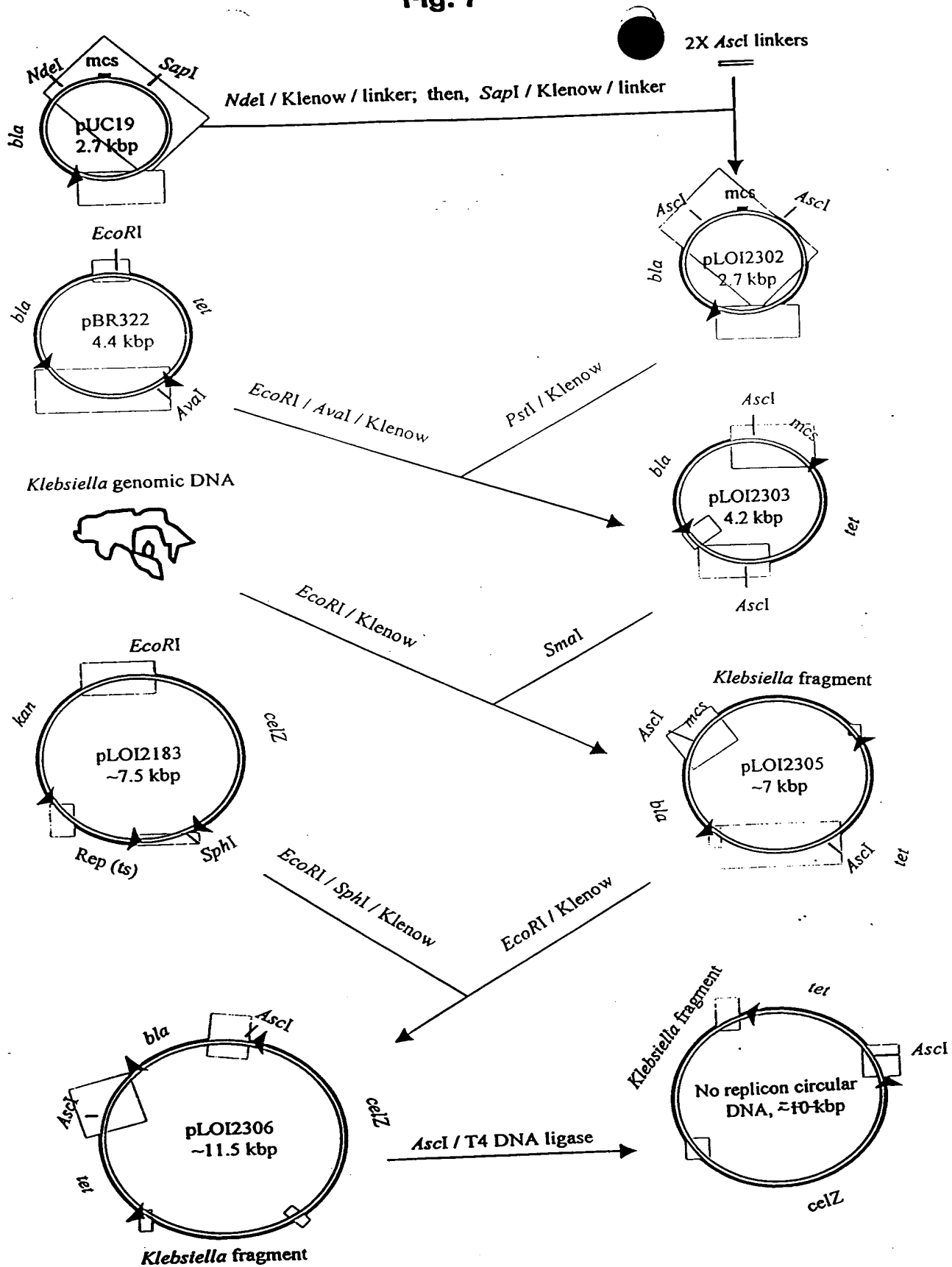


FIG. 7

Fig. 8

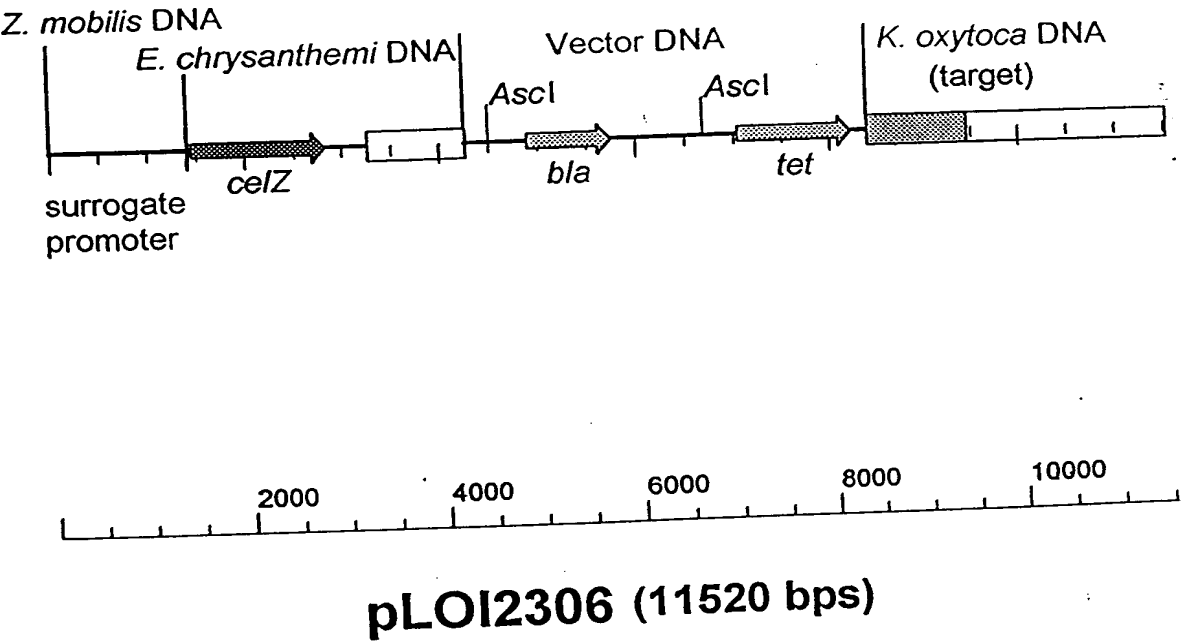
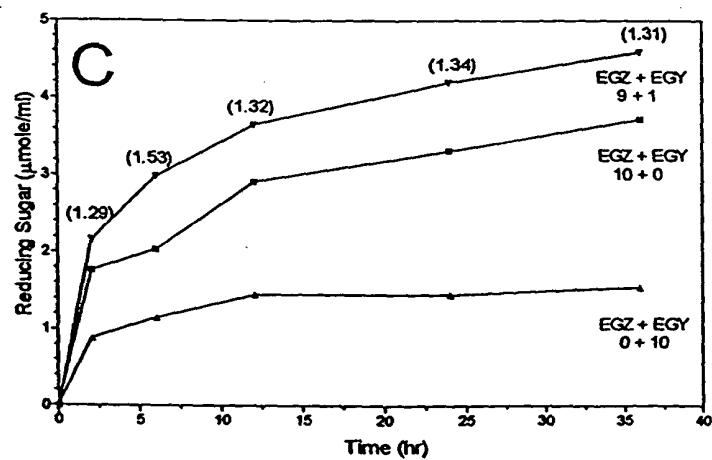
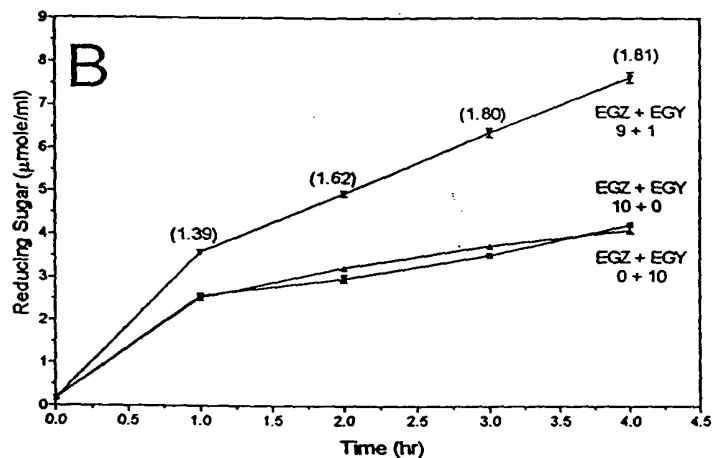
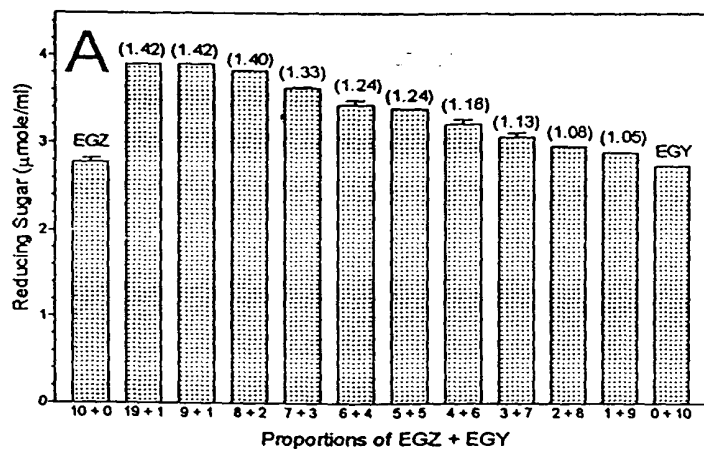
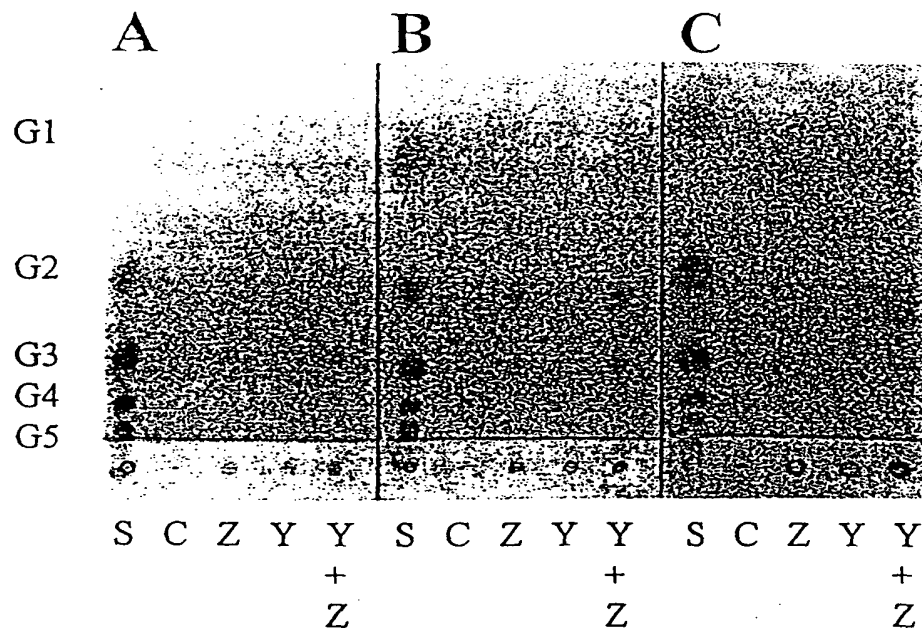


Fig. 9



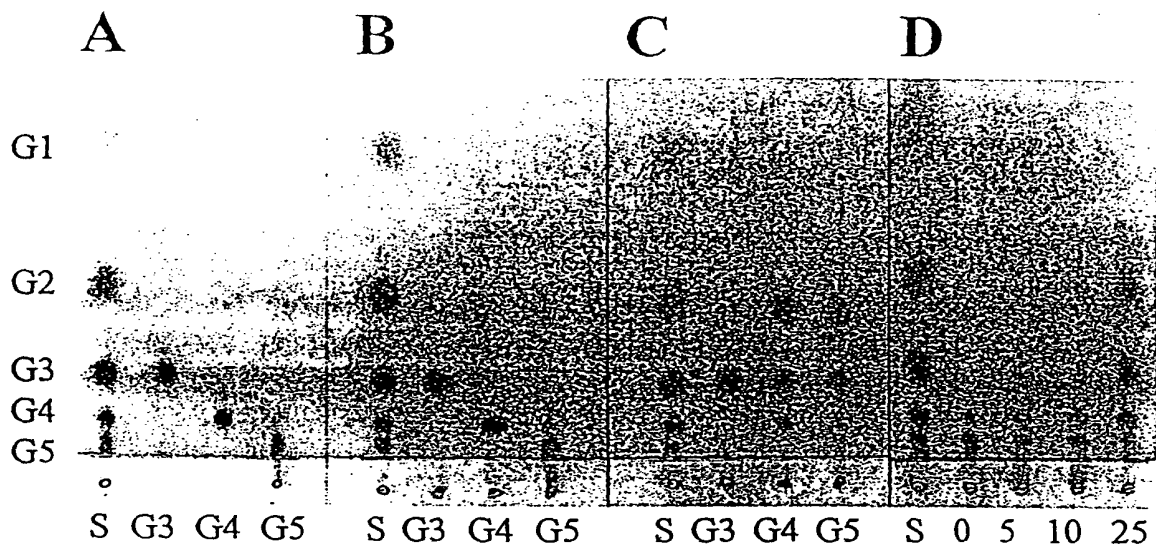
106T99-26268860

Fig. 10



09885297.061501

Fig. 11



09885597 061501

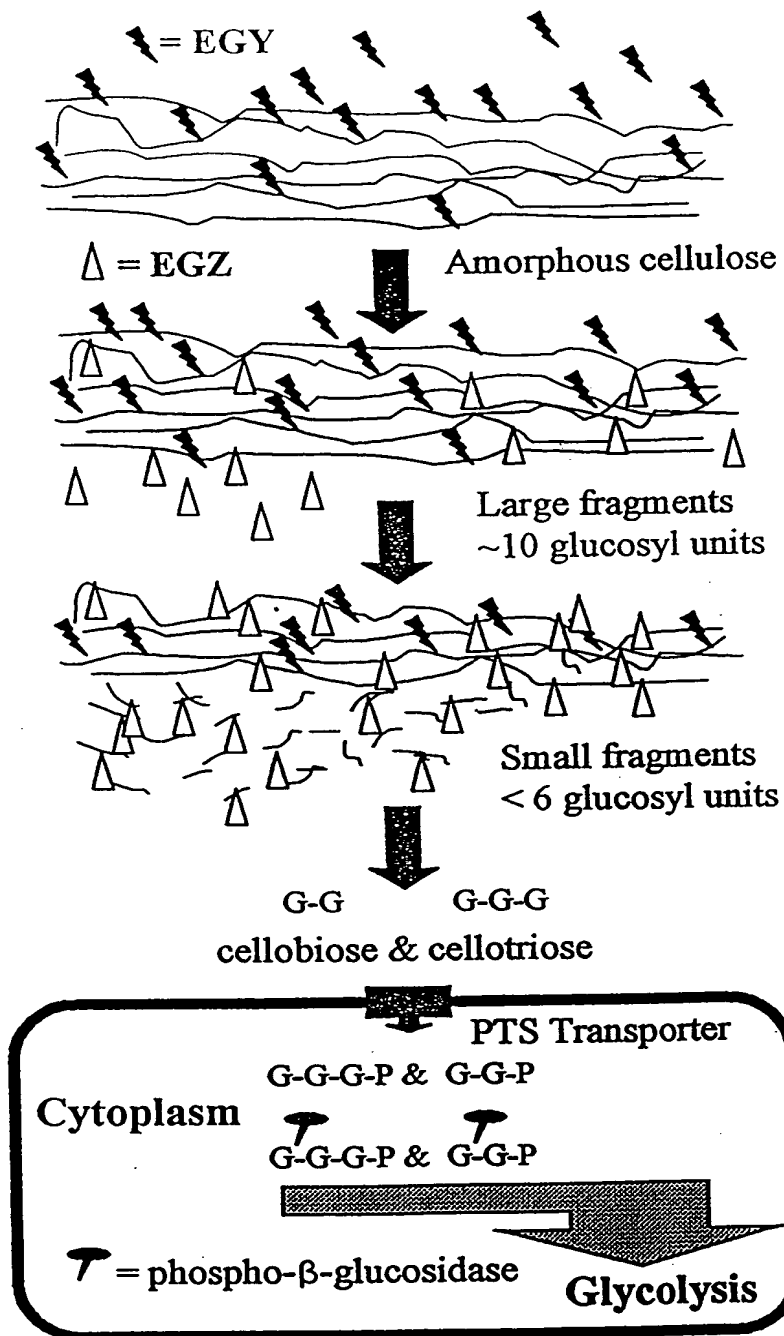
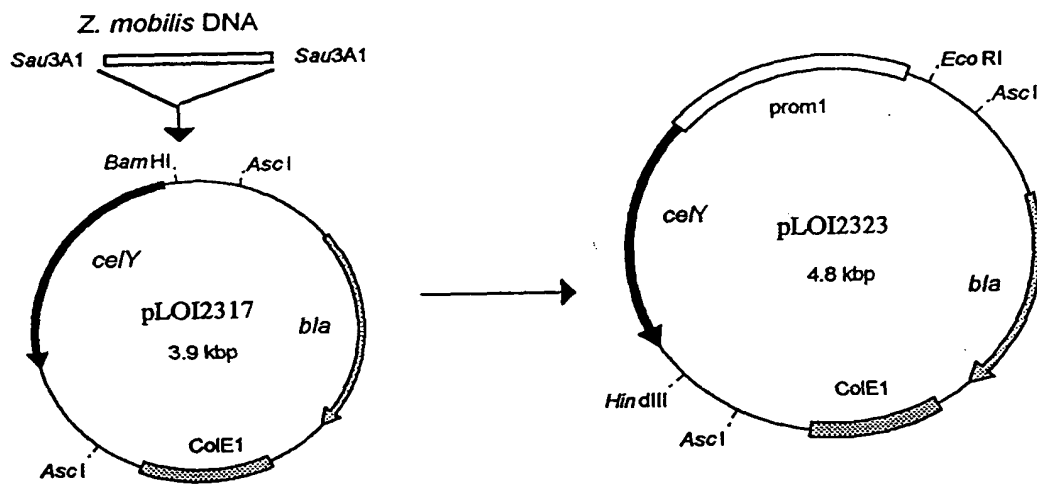
[illegible]

Fig. 13



0935257.061904

Fig. 14

Position (bp)	-35	-10	RNA Start	Proposed δ factors	δ factor consensus sequence	
					-35	-10
	ATA TTTTGATTTT CAAGAAAGCCTGATATCTTCCAACAATCTT		T (2)	δ^{70}	TTGACA	TATAAT
	GATTTGATCCTCTAGAGTCAACCTGCTTGT TACTCGT GATCCCAT		A (4)	δ^{70}	TTGACA	TATAAT
	GAGTCAACCTGCTTGT TACTCGT GATCCCATTCACAAGGGCGAA		C (1)	δ^{32}	CTTGAAA	CCCCAT
	TTACTCGTGATCCCATTCACAAGGGCGAA TTAATTCG CCCTT		C (3)	δ^{38}	CCGCCT	TATACT

* Transcriptional starts for *ce/Y* were identified by primer extension analysis. Four promoters were identified. Upstream sequence of these promoters with similarity to *E. coli* -35 and -10 regions are marked with underlines. RNA start sites are bolded. Putative promoters are numbered in parenthesis adjacent to the start site in descending order from the strongest. Differences in intensities were small, within 2-fold.

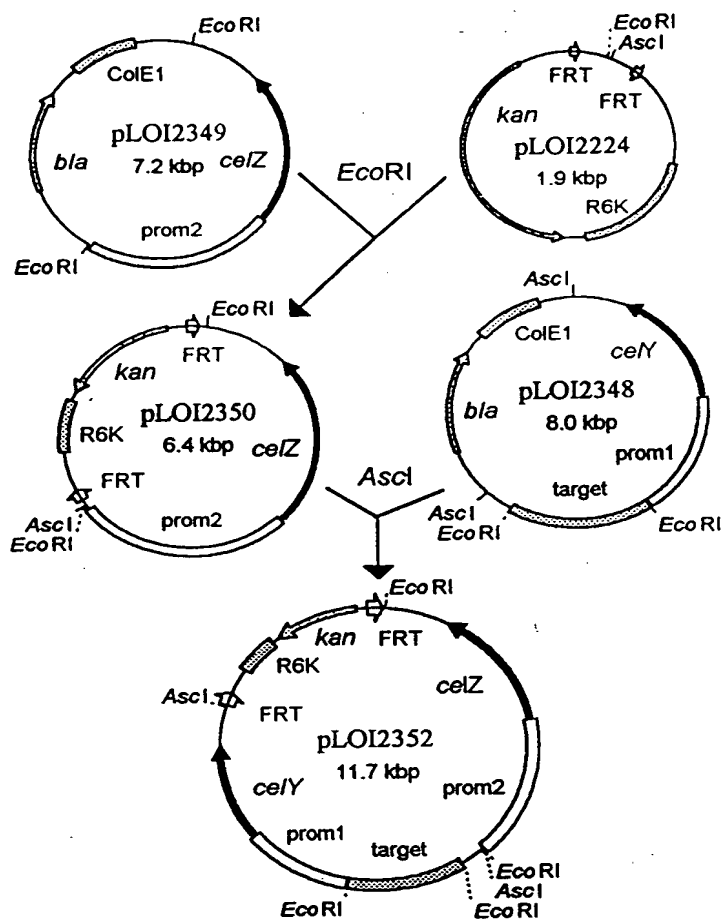
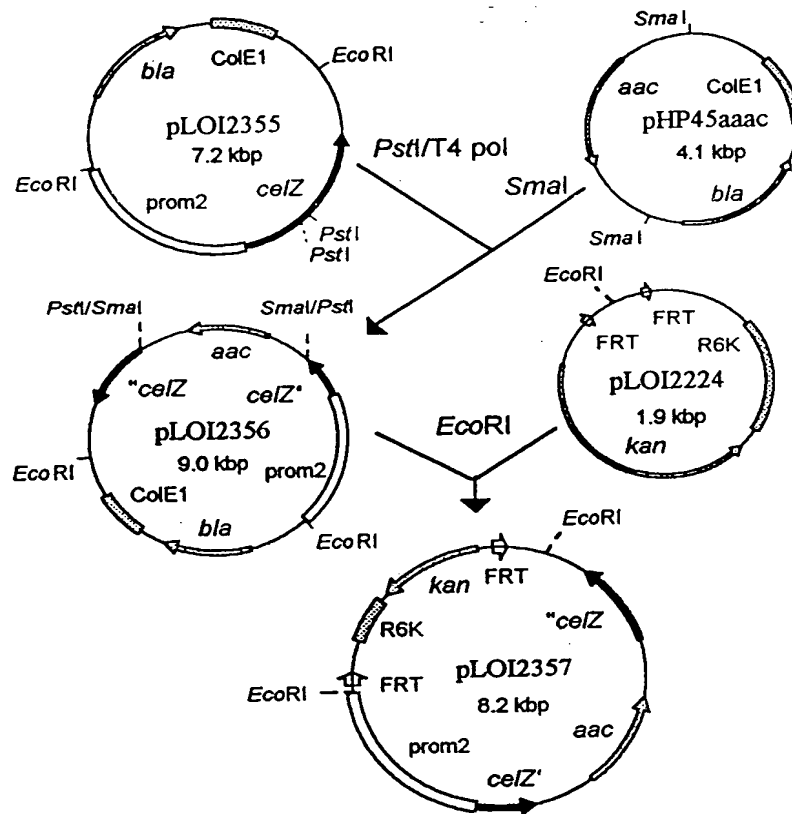
[illegible]

Fig. 16



033639-061004
T06T00/623336

Fig. 17

A

K. oxytoca P2
(pCPP2006)
No endoglucanase

B

K. oxytoca SZ21
(pCPP2006)
CelY and CelZ

G1

G2

G3

G4

G5

G6

G7+

0 h

10 h

36 h

0 h

10 h

36 h

0988397 061901
T06T00 26268880

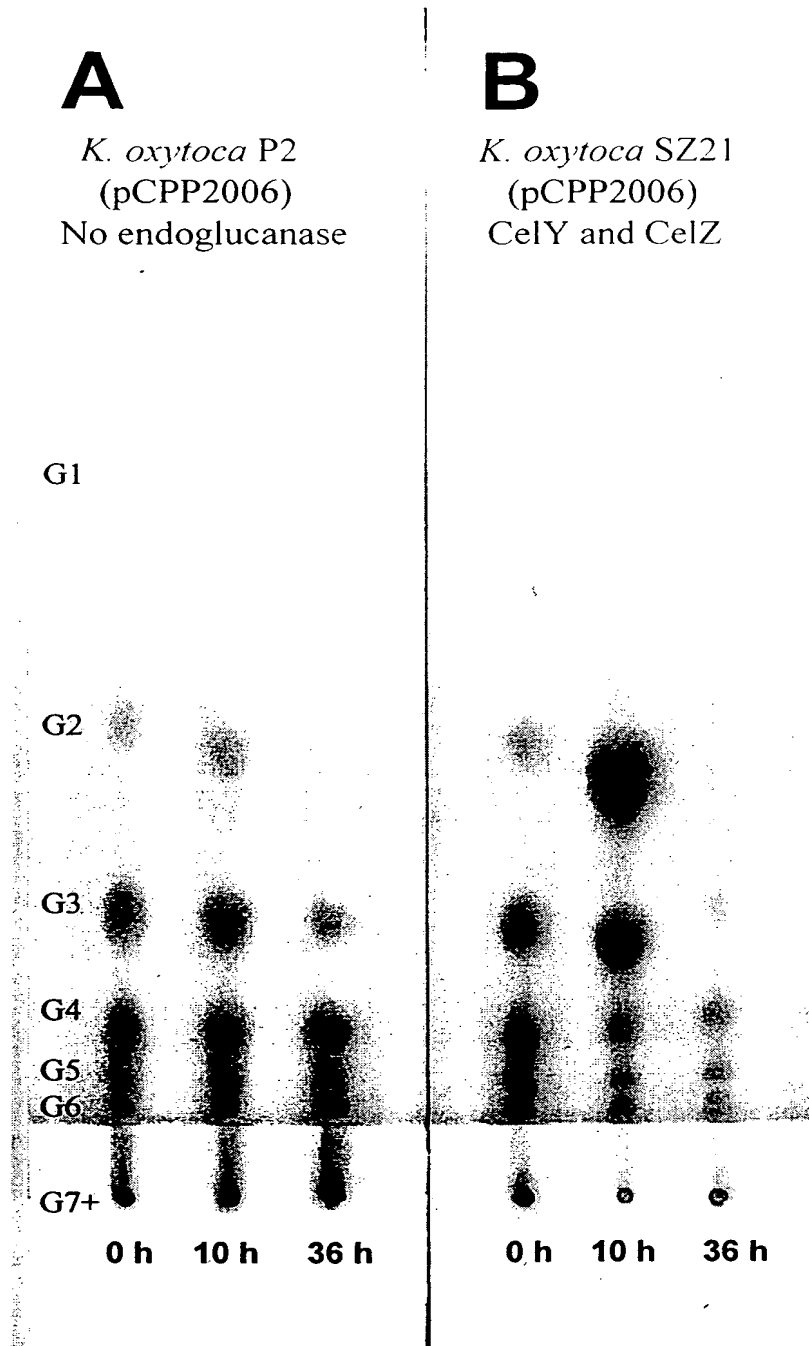


Fig. 18

